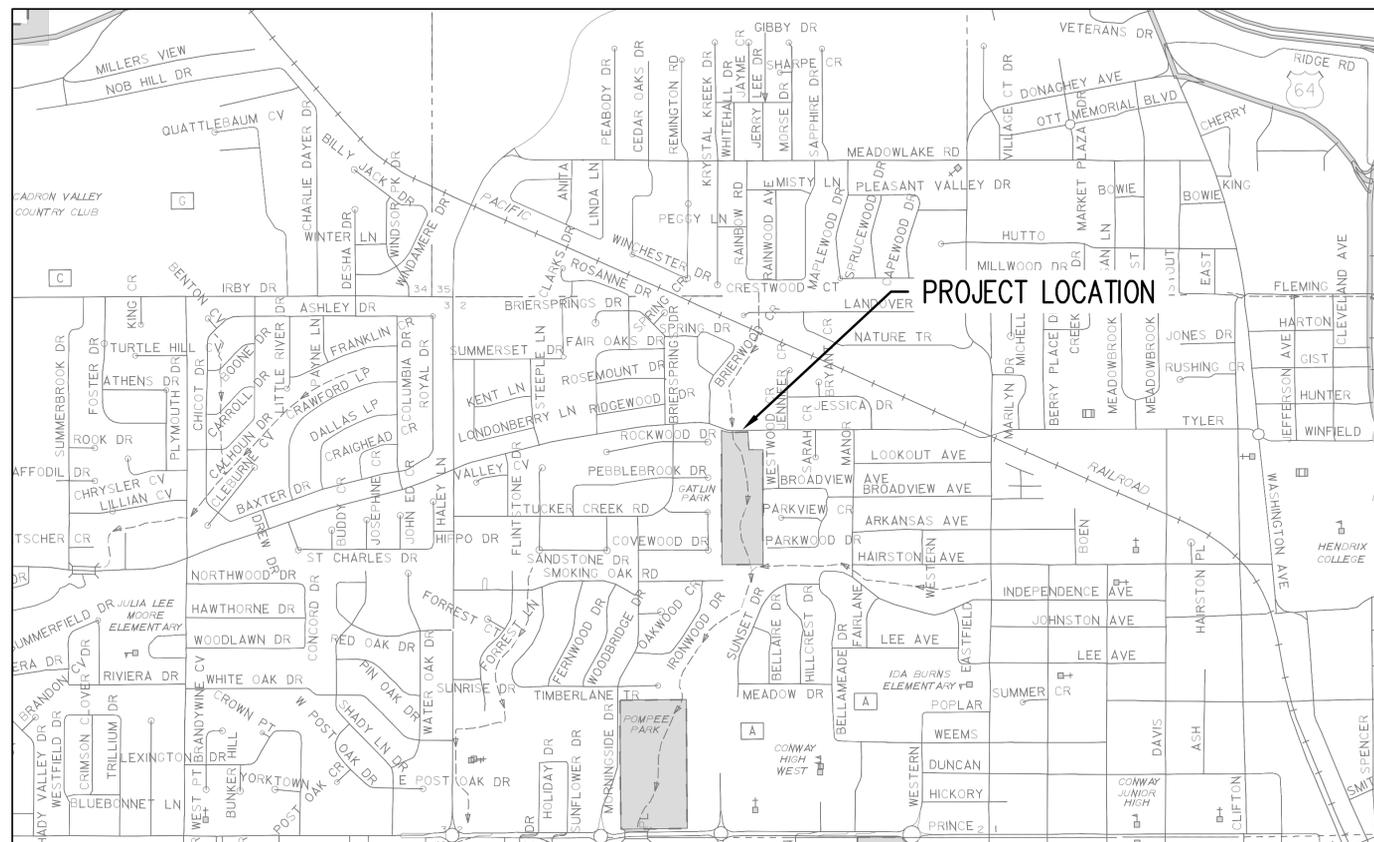


TYLER STREET BRIDGE REPLACEMENT CONWAY, ARKANSAS CONSTRUCTION PACKAGE

REVISIONS

NO.	DESCRIPTION	DATE

VICINITY MAP



N.T.S

INDEX TO DRAWINGS

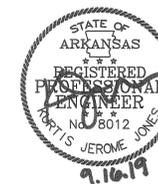
- C0 COVER SHEET
- C1 TYPICAL SECTIONS & GENERAL NOTES
- C2 EROSION CONTROL PLAN
- C3 DETOUR PLAN
- C4 PLAN/PROFILE
- C5 DIMENSION PLAN
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**TYLER STREET
BRIDGE REPLACEMENT
CONWAY, ARKANSAS**

JOB NUMBER: 19-108
 DRAWN BY: KJJ
 CHECKED BY: BFV3
 DATE: 9/13/19
 SCALE: 1"=20'

DATE: AUGUST 20, 2019
 JOB#: 19-108

CONWAY TRANSPORTATION DEPARTMENT
 100 E. ROBINS STREET STREET CONWAY, ARKANSAS
 PH: 501.450.6165 FAX: 501.513.3566



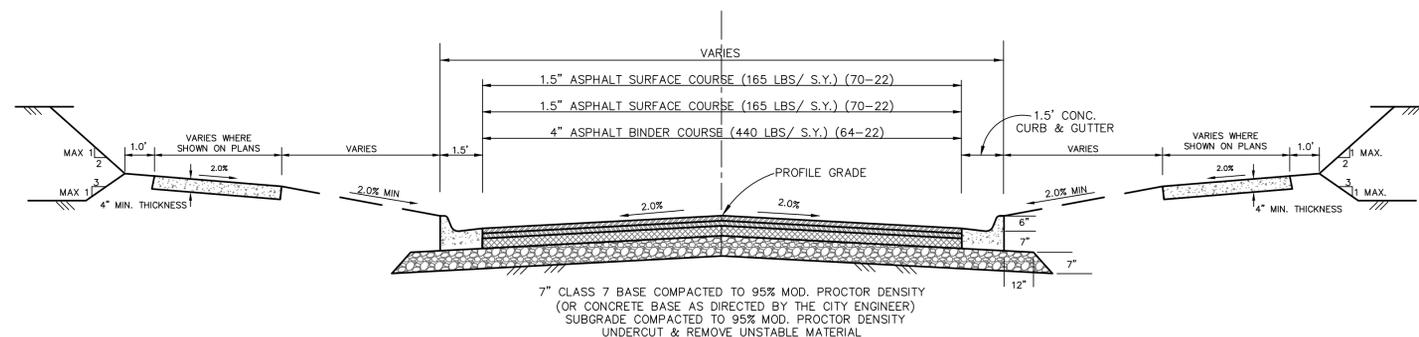
COVER

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REVISIONS

NO.	DESCRIPTION	DATE

**TYLER STREET
BRIDGE REPLACEMENT
CONWAY, ARKANSAS**



TYPICAL STREET SECTION

NOTES:

- CITY OF CONWAY STANDARD DETAILS FOR ROADWAY AND DRAINAGE CONSTRUCTION ARE LOCATED ON THE STREET & ENGINEERING DEPARTMENT WEB PAGE.
- ALL CONSTRUCTION & MATERIALS SHALL COMPLY WITH THE ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION, UNLESS OTHERWISE NOTED.
- IRRIGATION SLEEVING SHALL BE INSTALLED PRIOR TO THE PLACEMENT OF ROADWAY BASE COURSE. IRRIGATION DESIGN AND LOCATION INFORMATION SHOULD BE OBTAINED FROM IRRIGATION PLANS, BY OTHERS.
- PAVEMENT SECTION THICKNESS SUBJECT TO CHANGE AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER AND APPROVAL BY THE CITY ENGINEER.
- CONSTRUCT MODULAR BLOCK WALLS IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.

SHARED USE PATH REQUIREMENTS:

- ALL WORK SHALL COMPLY WITH SECTION 633 OF THE AHTD STANDARD SPECIFICATIONS.
- EXPANSION MATERIAL SHALL BE REQUIRED AT 50 FT. MAXIMUM SPACING.
 - SHARED USE PATH SHALL HAVE SAW CUT TRANSVERSE JOINTS AT INTERVALS EQUAL TO THE WIDTH OF THE SIDEWALK. TOGGLED JOINTS WILL NOT BE PERMITTED.
 - EXPANSION JOINT MATERIAL SHALL BE PRE-FORMED ASPHALT IMPREGNATED FIBERBOARD CONFORMING TO AASHTO M-213. EXPANSION JOINT MATERIAL SHALL BE LEFT 1/2" LOWER AND FILLED WITH SILICONE SEALER TO FINISH GRADE.
 - ALL COLD JOINTS AND SAW CUT JOINTS SHALL BE FILLED TO FINISH GRADE WITH JOINT SEALANT.
 - ALL SIDEWALKS SHALL HAVE 1/2" ROLLED EDGES AND BROOM FINISH.
 - SHARED USE PATHS SHALL BE PLACED ON 4" CLASS 7 BASE COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
 - ALL SHARED USE PATHS REQUIRE INSPECTION BEFORE AND AFTER CONCRETE PLACEMENT. SIDEWALKS WILL BE INSPECTED FOR ADA REQUIREMENTS & WORKMANSHIP.

GENERAL CONSTRUCTION REQUIREMENTS:

- THE STREET DEPARTMENT SHALL BE NOTIFIED 24 HOURS PRIOR TO PLACEMENT OF ANY FILL MATERIAL. INSTALLATION OF STORM DRAINAGE PIPE OR DRAINAGE STRUCTURES, CONCRETE CURB & GUTTER, PLACEMENT OF CRUSHED STONE OR ASPHALT. THE SUBGRADE SHALL BE APPROVED BY THE CONWAY STREET DEPARTMENT PRIOR TO PLACEMENT OF CURB AND GUTTER OR CRUSHED STONE.
- EARTHWORK EQUIPMENT SHALL INCLUDE AN APPROPRIATE SIZE VIBRATORY SHEEP'S FOOT COMPACTOR, WATER TRUCK AND MOTOR PATROL.
- ALL FILL MATERIAL PLACED WITHIN THE LIMITS OF THE STREET (BACK OF CURB TO BACK OF CURB) SHALL BE PLACED IN LIFTS NOT EXCEEDING 8" AND EACH LIFT COMPACTED WITH A SHEEP'S FOOT ROLLER (COMPACTOR WITH TRACK EQUIPMENT OR OTHER EQUIPMENT NOT SPECIFICALLY DESIGNED FOR EARTHWORK COMPACTOR IS NOT SUITABLE) TO 95% MODIFIED PROCTOR DENSITY. FILL MATERIAL SHALL BE APPROVED BY THE CONWAY STREET DEPARTMENT PRIOR TO USE IN STREET FILLS (NO TOP SOIL OR ORGANIC MATERIAL SHALL BE INCLUDED IN THE FILL MATERIAL). THE MOISTURE CONTENT OF THE FILL MATERIAL SHALL BE PLUS OR MINUS 3% OF OPTIMUM. ALL EARTHWORK SHALL CONFORM TO THE REQUIREMENTS OF SECTIONS 210 AND 212 OF ARKANSAS STATE HIGHWAY DEPARTMENT'S "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION".
- THE SUBGRADE (BACK OF CURB TO BACK OF CURB) SHALL BE PREPARED IN ACCORDANCE WITH SECTION 212 OF THE ARKANSAS STATE HIGHWAY DEPARTMENT'S "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION". PRIOR TO PLACEMENT OF THE CRUSHED STONE BASE COURSE THE SUBGRADE MUST BE VERIFIED TO CONFORM TO THE PROPER SHAPE AND GRADE AND MUST FIELD DEMONSTRATE THAT IT IS FIRM AND UNYIELDING TO THE PASSAGE OF EQUIPMENT OVER THE SUBGRADE.
- ALL STORM DRAINAGE PIPE SHALL BE RCP CLASS III UNLESS SPECIFICALLY APPROVED OTHERWISE.
- CRUSHED STONE BASE COURSE SHALL CONFORM TO THE REQUIREMENT FOR CLASS 7 AGGREGATE BASE COURSE AS DESCRIBED IN SECTION 303-AGGREGATE BASE COURSE OF THE ARKANSAS HIGHWAY DEPARTMENT'S "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION". THE CRUSHED STONE BASE COURSE GRADATION SHALL CONFORM TO THE ABOVE REFERENCED SPECIFICATION FOR THIS MATERIAL AFTER THE MATERIAL HAS BEEN PLACED AND COMPACTED. SAMPLES OF THE IN-PLACE MATERIAL MAY BE OBTAINED AND TESTED BY THE OWNER TO ASSURE CONFORMANCE TO THE SPECIFICATION. MATERIAL NOT CONFORMING TO THE SPECIFICATIONS SHALL BE REMOVED AND REPLACED. IN ADDITION, THE CRUSHED STONE BASE COURSE MATERIAL SHALL HAVE A MINIMUM CBR (CALIFORNIA BEARING RATIO) OF 75 AS DESCRIBED IN THE PROJECT SPECIFICATIONS.
- ALL MUD, SOIL AND LOOSE GRAVEL SHALL BE REMOVED FROM THE CRUSHED STONE BASE AND CONCRETE CURB AND GUTTER PRIOR TO PLACEMENT OF ASPHALT.
- STORM DRAINAGE PIPES, DITCHES AND DRAINAGE STRUCTURES MUST BE FREE OF SEDIMENTS, TRASH, DEBRIS AND PONDING WATER PRIOR TO FINAL APPROVAL OF THE STREETS.
- PRIOR TO THE PLACEMENT OF CONCRETE FOR CURB INLETS, BOX CULVERTS OR OTHER CONCRETE STRUCTURES, THE CONTRACTOR SHALL PROVIDE 24 HOUR NOTICE OF THE INTENT TO PLACE CONCRETE AND REQUEST THAT THE CITY INSPECT THE REINFORCING STEEL AND FORMING TO VERIFY CONFORMANCE WITH THE PLANS. CONCRETE PLACED WITHOUT CITY INSPECTION TO VERIFY REINFORCING STEEL PLACEMENT AND CONCRETE THICKNESS WILL NOT BE ACCEPTED AND SHALL BE TORN OUT AND RECONSTRUCTED WITH APPROPRIATE CITY APPROVAL.
- CONSTRUCTION SHALL NOT COMMENCE ON THIS PROJECT UNTIL A STORM WATER POLLUTION PREVENTION PLAN HAS BEEN PROPERLY IMPLEMENTED
- THE CONTRACTOR SHALL PROVIDE APPROPRIATE ADVANCED WARNING DEVICES, BARRICADES, BARRELS AND OTHER MEASURES AS NEEDED TO PROPERLY CONTROL AND ADVISE TRAFFIC.
- ALL WHEEL CHAIR RAMPS TO BY TYPE 3 UNLESS OTHERWISE NOTED
- ALL WORK SHALL CONFORM TO THE CITY OF CONWAY STANDARD DETAILS

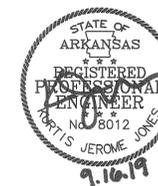
QUALITY CONTROL REQUIREMENTS:

- THE CITY WILL SECURE THE SERVICES OF AN INDEPENDENT TESTING CONSULTANT AND PROVIDE TEST AND CERTIFICATIONS IN ACCORDANCE WITH THE FOLLOWING:
- STREET SUBGRADE:
- REQUIRED MINIMUM DENSITY 95% MODIFIED PROCTOR DENSITY. FIELD DENSITY TEST SHALL BE PERFORMED ON EACH LIFT OF FILL PLACED IN THE STREET SUBGRADE AND ON UTILITY AND STORM DRAINAGE PIPE TRENCHES.
 - STREET SUBGRADE DENSITY TESTS ARE REQUIRED FOR EVERY 800 FEET OF STREET SUBGRADE FOR EACH LIFT (8" MAXIMUM) OF EMBANKMENT OR FILL MATERIAL PLACED.
 - THE LOCATION OF THE TESTING WILL BE RANDOMLY IDENTIFIED IN THE FIELD BY THE CITY ENGINEER OR HIS DESIGNATED REPRESENTATIVE. THE FIELD DENSITY TEST SHALL BE PERFORMED IN THE PRESENCE OF THE CITY'S DESIGNATED REPRESENTATIVE.
 - IF A SUBGRADE DENSITY TEST IS LESS THAN THE MINIMUM REQUIRED A TEST IS REQUIRED ON THE RECOMPACTED AREA AS WELL AS AN ADDITIONAL TEST AT A LOCATION DESIGNATED BY THE CITY ENGINEER WITHIN 300 FEET OF THE SUBSTANDARD AREA.
 - THE CONTRACTOR SHALL PAY FOR THE RETESTING ALONG WITH ADDITIONAL TEST REQUIRED DUE TO THE FAILURE.
- CRUSHED STONE BASE COURSE
- FIELD DENSITY TEST (95% MINIMUM) ARE REQUIRED ON THE COMPACTED CRUSHED STONE BASE COURSE FOR EVERY 1,500 FEET OF BASE COURSE (TEST LOCATION DETERMINED BY CITY).
 - PLANT CERTIFICATION AND TEST RESULTS SHALL BE SUBMITTED VERIFYING THE MATERIAL CONFORMS TO THE GRADATION AND AHTD SPECIFICATION FOR THE MATERIAL SPECIFIED. IN ADDITION, THE SUPPLIER OF CRUSHED STONE BASE COURSE SHALL PROVIDE A CURRENT CBR TEST CONFIRMING A MINIMUM CBR OF 75. THE CITY MAY ELECT TO OBTAIN FIELD SAMPLES TO VERIFY THE CBR AND GRADATION TEST.
 - MATERIAL NOT MEETING THE SPECIFICATION SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.
 - THE THICKNESS OF THE MATERIAL SHALL BE FIELD VERIFIED FOR EVERY 1,500 FEET OF STREET CONSTRUCTED.
 - THE COMPACTED INPLACE GRADATION OF THE MATERIAL SHALL CONFORM TO THE GRADATION AS SPECIFIED FOR CLASS 7 AGGREGATE BASE COURSE IN THE AHTD STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTIONS.

FOR NOTIFICATION OF NEEDED INSPECTION CONTACT:
CITY OF CONWAY
STREET AND ENGINEERING DEPARTMENT
100 EAST ROBINS
CONWAY, ARKANSAS 72032
PHONE 501-450-6165 FAX 501-513-3566

COORDINATION OF THE WORK

THE CONTRACTOR SHALL PROVIDE COMPETENT AND EXPERIENCED FIELD PERSONNEL TO COORDINATE THE WORK AND VERIFY THAT THE CONTRACTOR IS CONFORMING TO THE PLANS AND SPECIFICATIONS. THE CITY IS NOT RESPONSIBLE FOR COORDINATION OF THE PROJECT WORK.



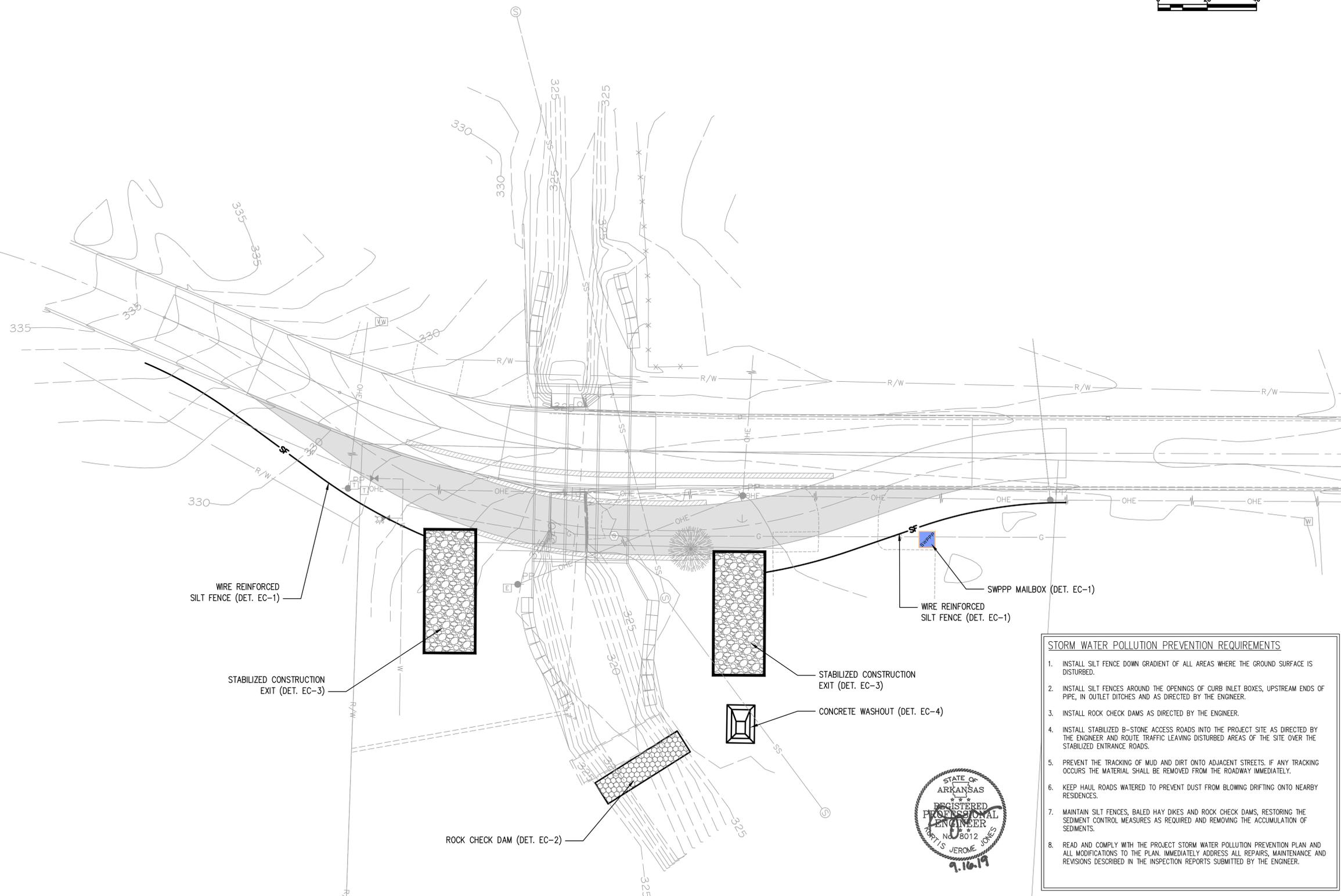
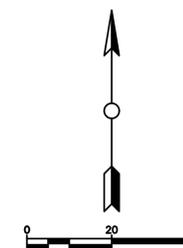
TYP. SECTION & GENERAL NOTES

JOB NUMBER: 19-108
DRAWN BY: KJJ
CHECKED BY: BFV3
DATE: 9/13/19
SCALE: NONE

C1

REVISIONS

NO.	DESCRIPTION	DATE



**TYLER STREET
 BRIDGE REPLACEMENT
 CONWAY, ARKANSAS**

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 SCALE: 1"=20'

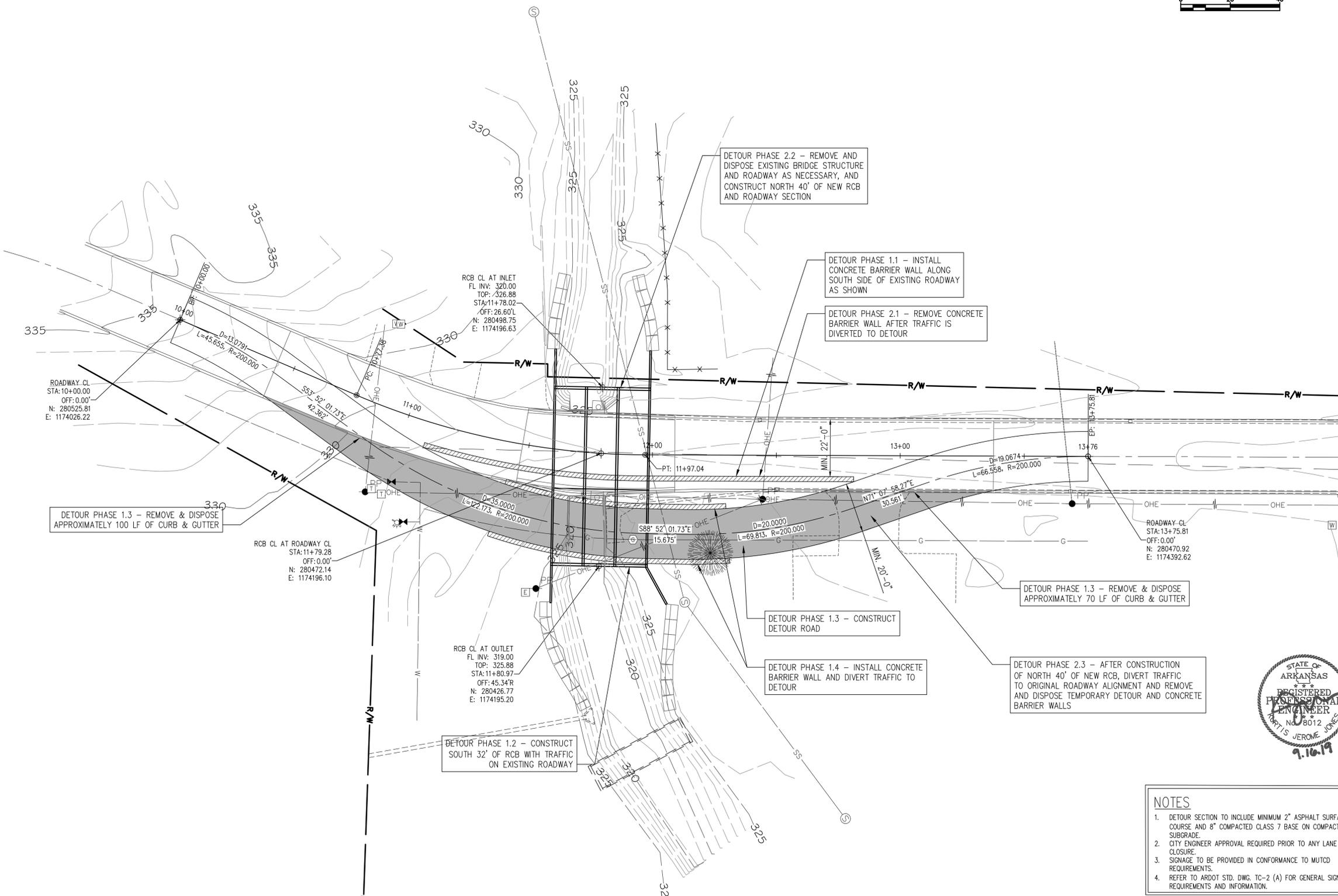
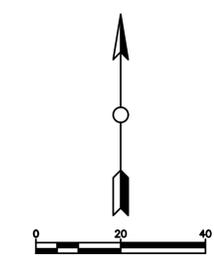
- STORM WATER POLLUTION PREVENTION REQUIREMENTS**
1. INSTALL SILT FENCE DOWN GRADIENT OF ALL AREAS WHERE THE GROUND SURFACE IS DISTURBED.
 2. INSTALL SILT FENCES AROUND THE OPENINGS OF CURB INLET BOXES, UPSTREAM ENDS OF PIPE, IN OUTLET DITCHES AND AS DIRECTED BY THE ENGINEER.
 3. INSTALL ROCK CHECK DAMS AS DIRECTED BY THE ENGINEER.
 4. INSTALL STABILIZED B-STONE ACCESS ROADS INTO THE PROJECT SITE AS DIRECTED BY THE ENGINEER AND ROUTE TRAFFIC LEAVING DISTURBED AREAS OF THE SITE OVER THE STABILIZED ENTRANCE ROADS.
 5. PREVENT THE TRACKING OF MUD AND DIRT ONTO ADJACENT STREETS. IF ANY TRACKING OCCURS THE MATERIAL SHALL BE REMOVED FROM THE ROADWAY IMMEDIATELY.
 6. KEEP HAUL ROADS WATERED TO PREVENT DUST FROM BLOWING DRIFTING ONTO NEARBY RESIDENCES.
 7. MAINTAIN SILT FENCES, BALED HAY DIKES AND ROCK CHECK DAMS, RESTORING THE SEDIMENT CONTROL MEASURES AS REQUIRED AND REMOVING THE ACCUMULATION OF SEDIMENTS.
 8. READ AND COMPLY WITH THE PROJECT STORM WATER POLLUTION PREVENTION PLAN AND ALL MODIFICATIONS TO THE PLAN. IMMEDIATELY ADDRESS ALL REPAIRS, MAINTENANCE AND REVISIONS DESCRIBED IN THE INSPECTION REPORTS SUBMITTED BY THE ENGINEER.



**EROSION
 CONTROL
 PLAN
 C2**

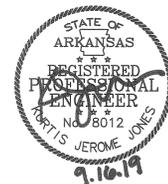
REVISIONS

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TYLER STREET
 BRIDGE REPLACEMENT
 CONWAY, ARKANSAS

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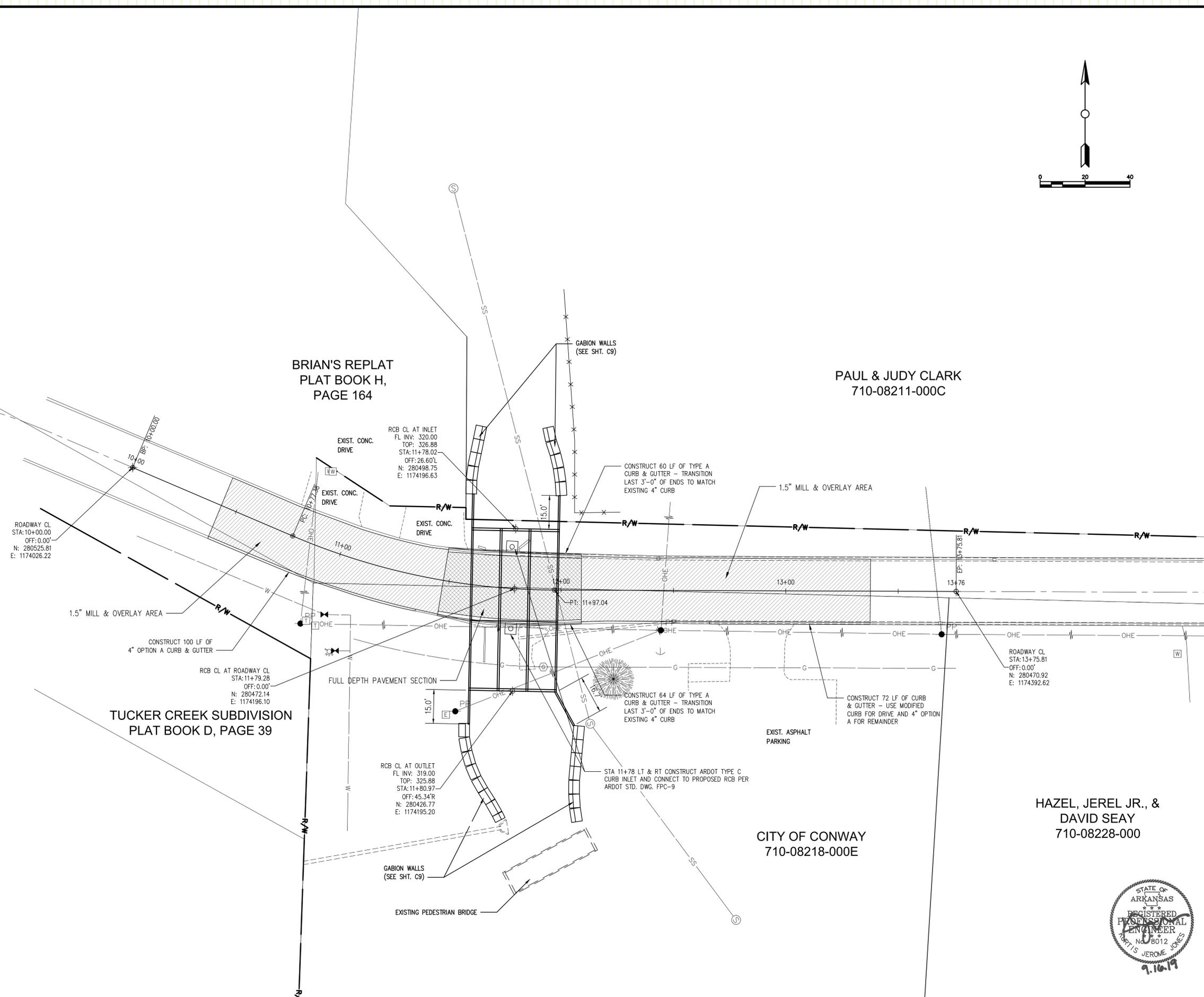
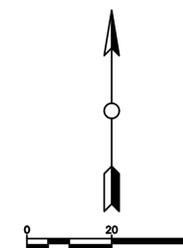
- NOTES
- DETOUR SECTION TO INCLUDE MINIMUM 2" ASPHALT SURFACE COURSE AND 8" COMPACTED CLASS 7 BASE ON COMPACTED SUBGRADE.
 - CITY ENGINEER APPROVAL REQUIRED PRIOR TO ANY LANE CLOSURE.
 - SIGNAGE TO BE PROVIDED IN CONFORMANCE TO MUTCD REQUIREMENTS.
 - REFER TO ARDOT STD. DWG. TC-2 (A) FOR GENERAL SIGNAGE REQUIREMENTS AND INFORMATION.

DETOUR PLAN

C3

REVISIONS

NO.	DESCRIPTION	DATE



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HAZEL, JEREL JR., &
DAVID SEAY
710-08228-000

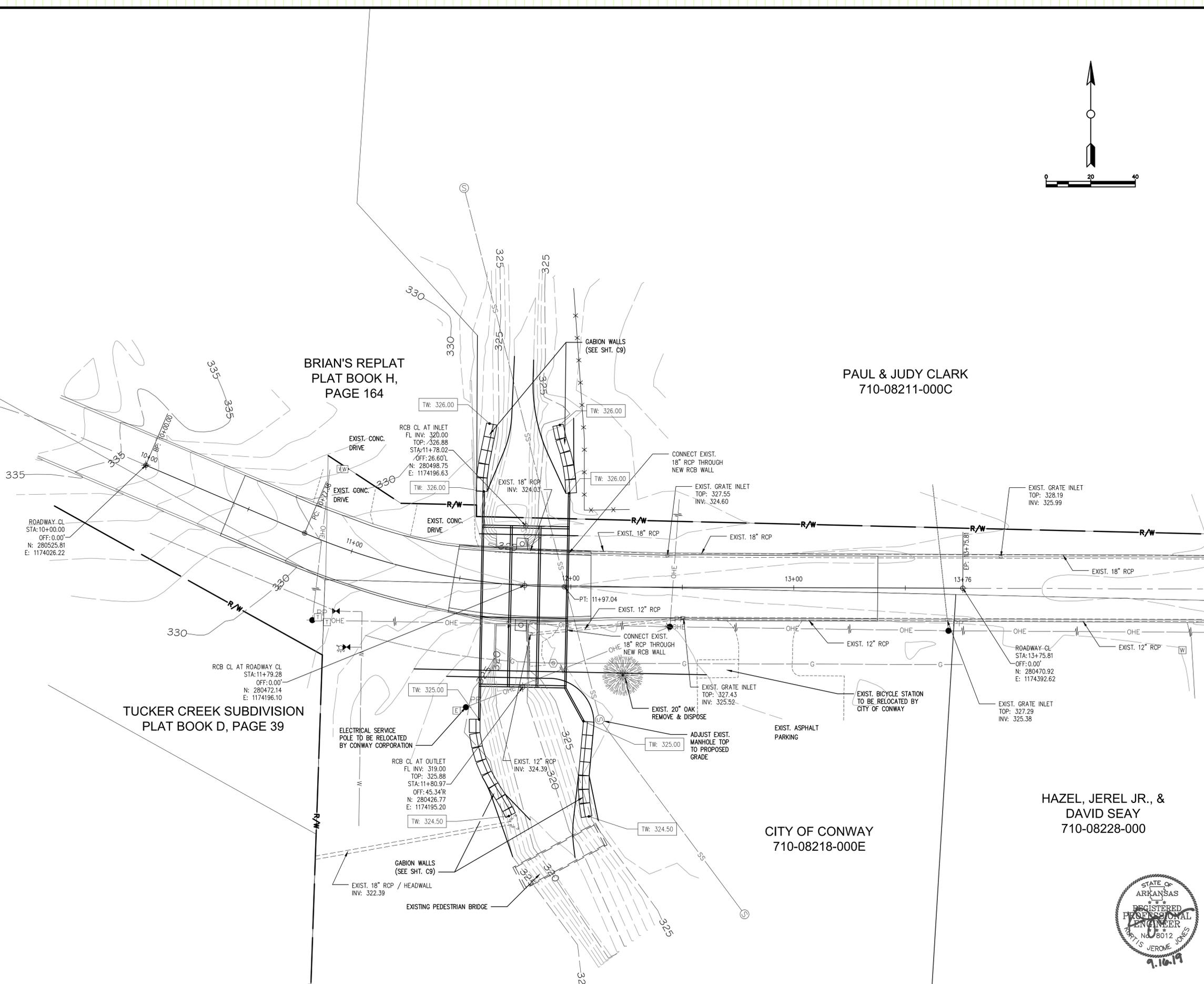
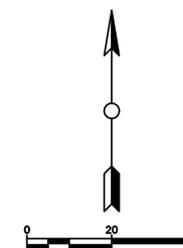
**DIMENSION
PLAN**

C5



REVISIONS

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HAZEL, JEREL JR., &
 DAVID SEAY
 710-08228-000

CITY OF CONWAY
 710-08218-000E

TUCKER CREEK SUBDIVISION
 PLAT BOOK D, PAGE 39

BRIAN'S REPLAT
 PLAT BOOK H,
 PAGE 164

PAUL & JUDY CLARK
 710-08211-000C

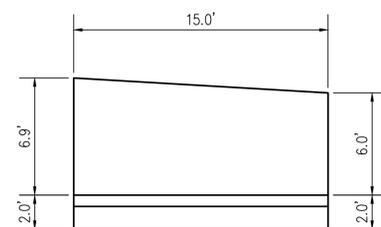


**GRADING
 PLAN**

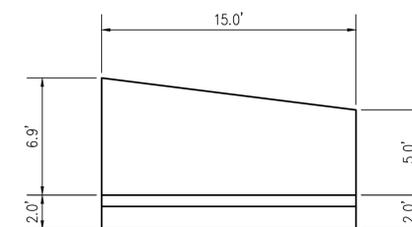
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REVISIONS

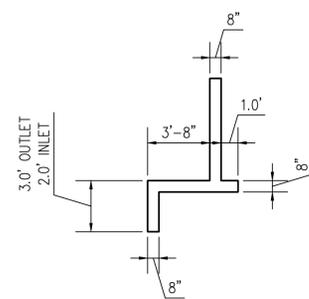
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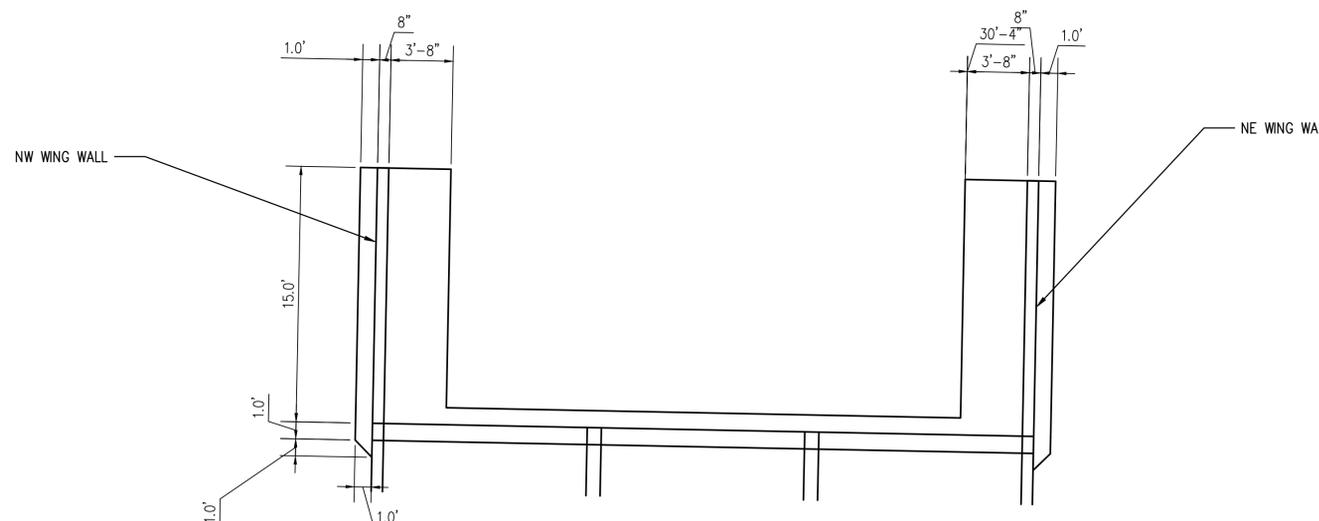
NW WINGWALL ELEVATION
 NTS



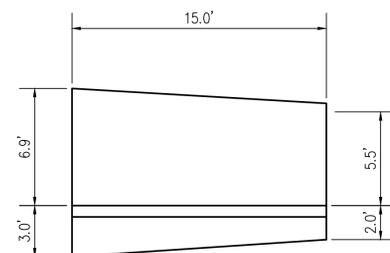
NE WINGWALL ELEVATION
 NTS



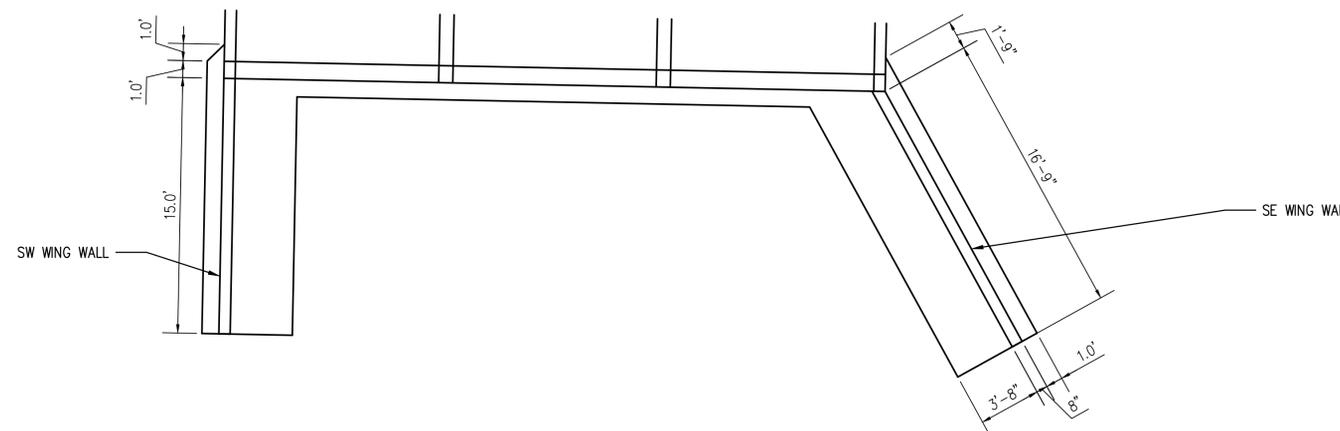
TYPICAL WINGWALL SECTION
 NTS



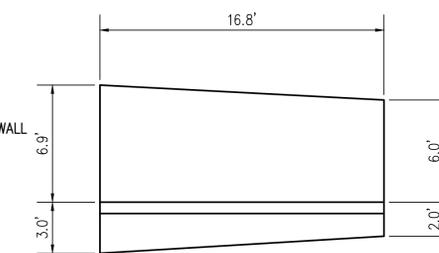
NORTH END OF RCB PLAN
 NTS



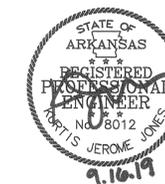
SW WINGWALL ELEVATION
 NTS



SOUTH END OF RCB PLAN
 NTS



SE WINGWALL ELEVATION
 NTS



NOTE:
 REFER TO SHEET C9 FOR REINFORCING STEEL
 IN WINGS & FOOTINGS.

TYLER STREET
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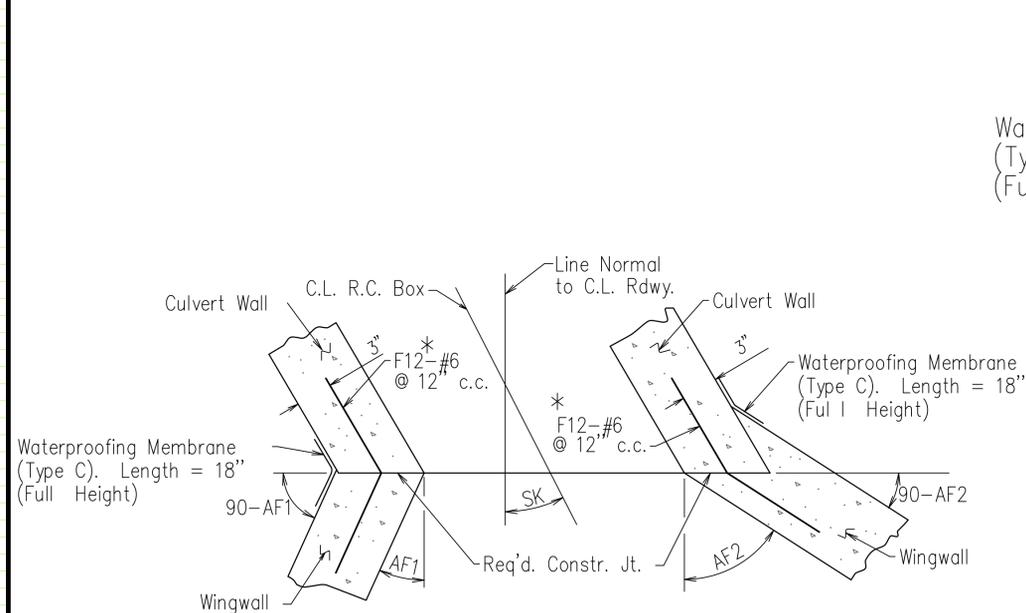
WINGWALL
 DIMENSION
 PLAN

C8

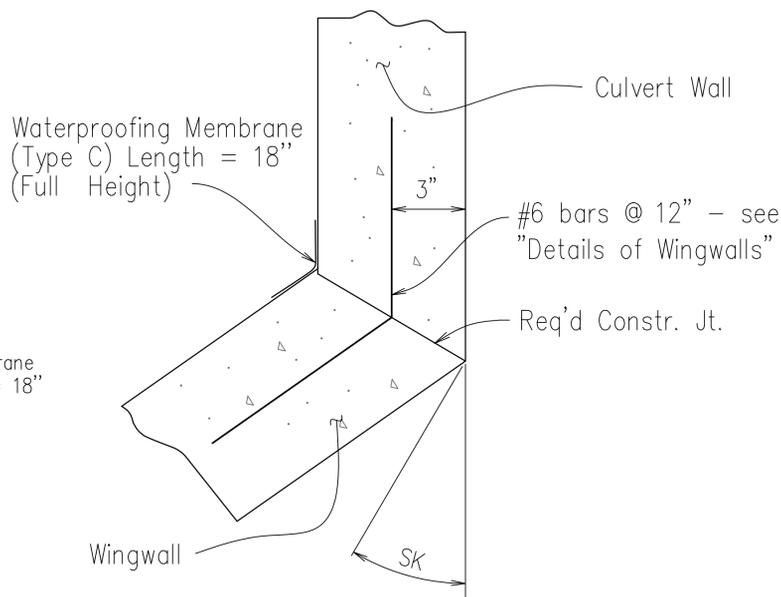


REVISIONS

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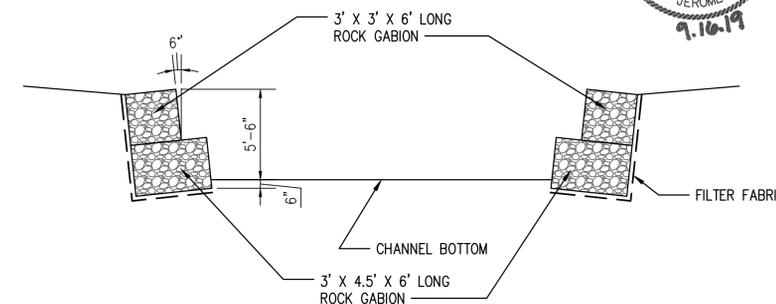


CONSTRUCTION JOINTS
Flared Wingwall Is Shown

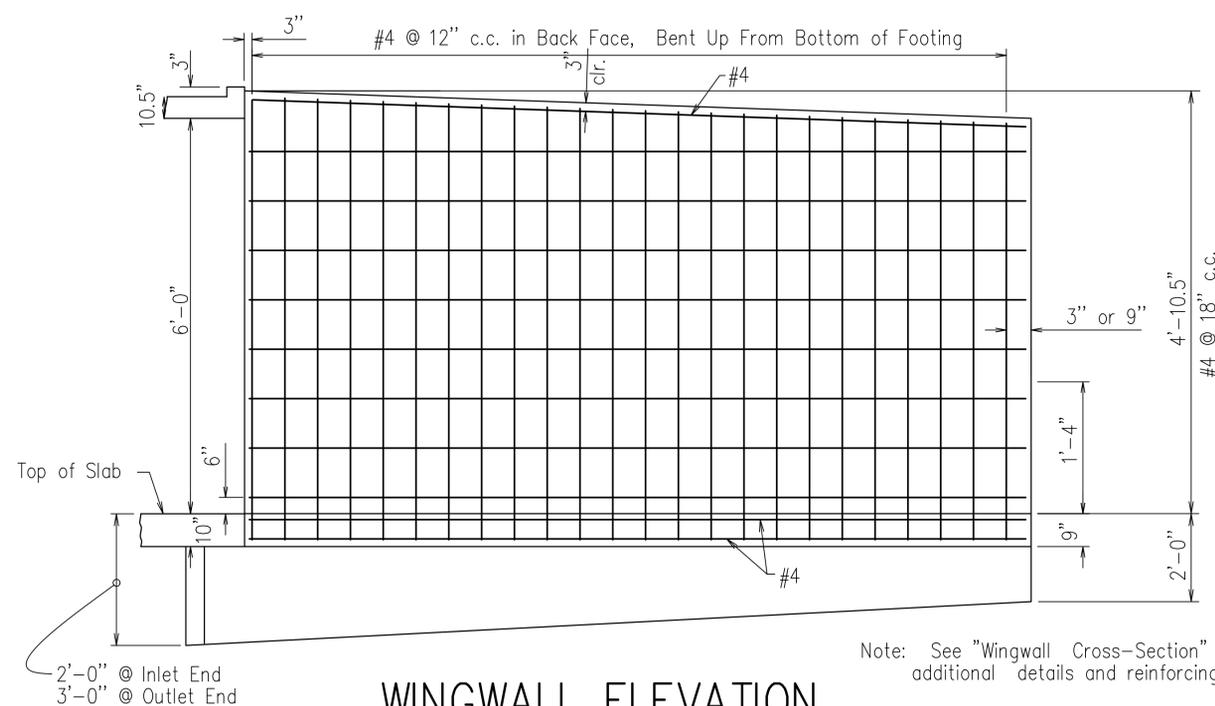


WINGWALL ATTACHMENT

See "Details of Wingwalls" for additional information and wingwall details.

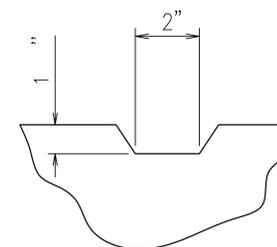


GABION SECTION
NTS

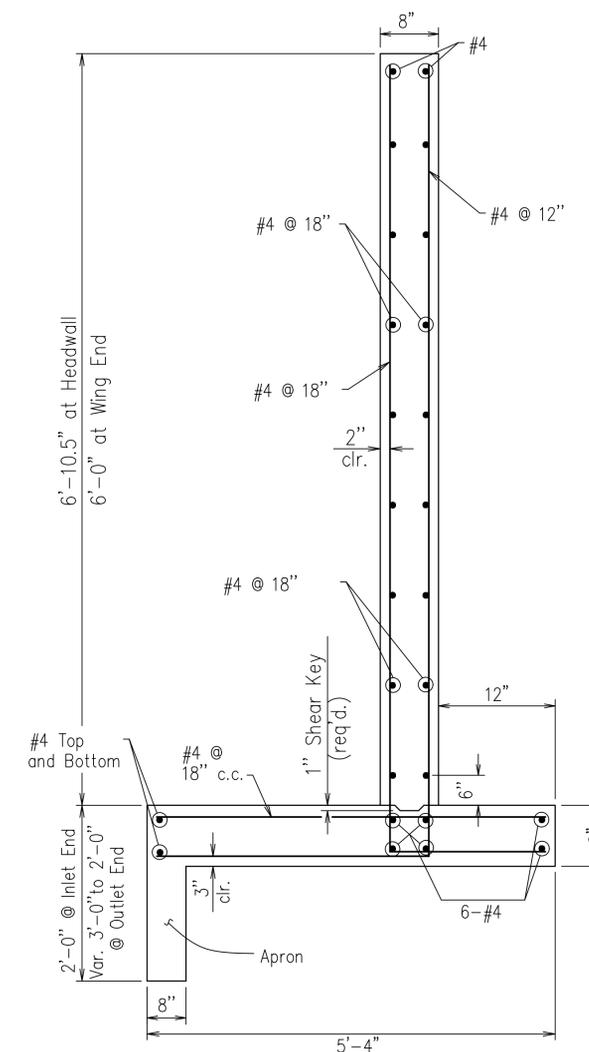


WINGWALL ELEVATION
Showing Back Face Reinforcement

Note: See "Wingwall Cross-Section" for additional details and reinforcing



TYPICAL KEYWAY DETAIL
All Construction Joints



WINGWALL SECTION
NTS

**TYLER STREET
BRIDGE REPLACEMENT
CONWAY, ARKANSAS**

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**WINGWALL
DETAILS**

C9